UNITED STATES - EAST COAST
NORTH CAROLINA

MOREHEAD CITY HARBOR

Mercator Projection
Scale 1:12,500 at Lat 34°42'
North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

Formerly C&GS 423 1st Ed. Dec. 1952 D-1983-811

SOUNDINGS IN FEET

11547

CAUTION

Only marine radiobeacons have been established for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard, Light Lists and Defense Mapping Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:
(Approximate location) +(Approximate location)

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights are white unless otherwise indicated)

AERO aeronautical
Al alternating
Bk black
Bn beacon
C con
Dia diaphone
F fix (or equal interval flash)
F fixed
Fl flashing

C (green)
Gp group
 Intrpt interrupted quick
Iso isophase (2 sec)
LT HO lighthouse
M nautical mile
m minutes
MERO TR mid-channel range
Mkr marker

Mo morse code
R red
Ra Ref radar reflector
R Bn radiobeacon

R TR radio tower
Ref reflecting
s seconds
SEC sector
St M statute miles
VQ very quick
W white
Whis fog whistle
Y yellow

Bottom characteristics

Bld boulders
Bk broken
Cy clay

Co coral
G gravel
Grs grass

Sh shells
M mud
S sand

Miscellaneous

AUTH authorized
DD existence doubtful
Obstn obstruction
PA position approximate
Rep reported
Wk wreck
(D) Rocks that cover and uncover, with heights in feet above datum of soundings
COLREGS International Regulations for Preventing Collisions at Sea, 1972.

Sh sand
Sy silty
Vy very
Wd weed
Wh white
Y yellow

PD position doubtful
Rem removed
Subm submerged

Demarcation lines are shown thus: — — — —

HEIGHTS

Heights in feet above Mean High Water.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

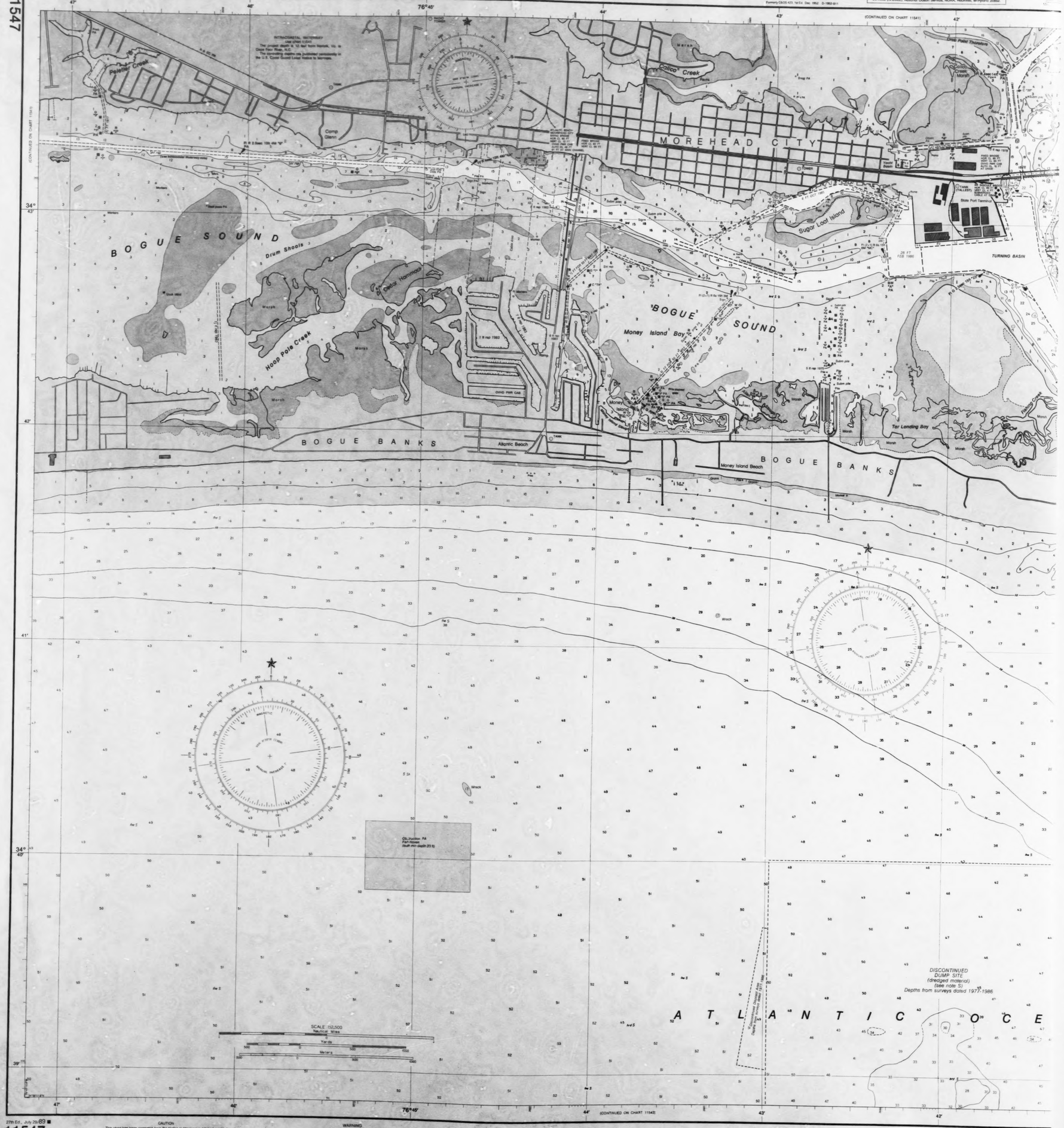
POLLUTION REPORTS

Report oil spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), and for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected on average of 0.580" northward and 1.248" eastward to agree with this chart.

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852



27th Ed., July 29/89 ■
11547

CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See, U.S. Coast Guard Light List and U.S. Coast Pilot for details.

SOUNDINGS IN FEET

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

LOGARITHMIC SP

To find SPEED place one point of dividers on distance run (in any units) and right point on 60 and left point will then indicate speed in units per hour. Exa

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UNITED STATES - EAST COAST
NORTH CAROLINA

MOREHEAD CITY HARBOR

Mercator Projection
Scale 1:12,500 at Lat 34°42'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

Formerly C&GS 423. 1st Ed. Dec. 1952. D-1952-811

IN FEET

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83) and for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.585" northward and 1.246" eastward to agree with this chart.

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, addition, or comments for improving this chart to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

PLANE COORDINATE GRID
(based on NAD 1927)
The North Carolina State Grid is indicated along the border by dashed ticks at 5000 foot intervals. The last three digits are omitted.

SCALE 1:12,500
Nautical Miles
Yards
Meters

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 4 for important supplemental information.

CAUTION
Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

NOAA VHF-FM WEATHER BROADCASTS
The National Weather Service station listed below provides continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.
New Bern, N.C. KEC-84 162.40 MHz

CAUTION
CHANGES IN BUOYAGE
Mariners are advised that authorized aids to navigation are being changed to conform to maritime standards of the International Association of Lighthouse Authorities - Maritime Buoyage System, Region B. Significant changes are: black port hand buoys become black and white vertically striped buoys; red and white vertically striped buoys and lateral lights from white to red or green as appropriate. Changes to aids to navigation will be announced in the Defense Mapping Agency Hydrographic/Topographic Center weekly Notice to Mariners and the U.S. Coast Guard Local Notice to Mariners.

Nautical Chart Catalog No. 1, Panel C

(CONTINUED ON CHART 11541)

MOREHEAD CITY HARBOR CHANNEL DEPTHS
CORPS OF ENGINEERS REPORTS TO APR 1986 AND CLEARED TO APRIL 1986

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW WATER (MLW) LEFT OUTSIDE HALF	LEFT INSIDE HALF	RIGHT INSIDE HALF	RIGHT OUTSIDE HALF	DATE OF SURVEY	PROJECT DIMENSIONS WIDTH (FEET)	DEPTH (FEET) MLW	DEPTH (METERS) MLW
BEAUFORT INLET CHANNEL	10.5	11.9	41.1	32.5	4-86	400	2.00	40
CUTOFF CHANNEL	46.0	44.5	28.1	14.5	4-86	600	6.01	49
MOREHEAD CITY CHANNEL	10.0	38.5	24.5	28.5	3-86	400-700	1.40	42
TURNING BASIN								
EAST LEG	28.5	33.5	34	29.5	3-86	600-1000		42
WEST LEG	11.5	36.5	38.5	35.6	4-86	800-1400		39

DEPTHS ARE EXPRESSED TO THE NEAREST HALF-FOOT.
NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION
SURVEYED BY COMPUTER MAPPING METHODS

TIDAL INFORMATION

Place Name	Place (Lat/Long)	Height referred to datum of soundings (MLLW) Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
		feet	feet	feet	feet
Beaufort, Duke Marine Lab	(34°43'N/76°40'W)	3.4	3.2	0.1	-2.0
Morehead City	(34°43'N/76°42'W)	3.6	3.3	0.2	-2.0
Atlantic Beach	(34°42'N/76°43'W)	4.1	3.8	0.2	-2.0

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CAUTION
CHANGES IN BUOYAGE
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MOREHEAD CITY
BEAUFORT
BOGUE SOUND
BOGUE BANKS
RADIO ISLAND
BIRD SHOAL
ATLANTIC OCEAN
BEAUFORT INLET
SHACKLEFORD BANKS
Sugar Loaf Island
Money Island Bay
Money Island
Money Island Beach
Tar Loading Bay
Fort Macon
Shackleford Pt
Beaufort-Morehead City Airport
Duke Marine Lab
Rivers Island
Carrot Island
Town Creek
Taylor Creek
Calico Creek
Gallant Channel
Morehead City Harbor Channel
Beaufort Inlet Channel
Cutoff Channel
Turning Basin
State Port Terminal
Highland Park
Radio Tower (WGNAR) 1430 kHz
Coast Guard Station
Morris Biological Station
Point Shelter
Pivers Island
Marsh
Wreck
Dumping Area
DISCONTINUED DUMP SITE (dredged material) (see note S) Depths from surveys dated 1977-1986
Dumping Area (Dredged Material) Depths from surveys dated 1977-1986

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 4. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 5th Coast Guard District in Portsmouth, Virginia, or at the Office of the District Engineer, Corps of Engineers in Wilmington, North Carolina.
Refer to charted regulation section numbers.

(CONTINUED ON CHART 11543)
(CONTINUED ON CHART 11544)
(CONTINUED ON CHART 11545)

44' 43' 42' 41' 76°40' 39' 34°42' 40' 41' 42'

GS IN FEET

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

LOGARITHMIC SPEED SCALE
To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots.

FATHOMS FEET METERS

Morehead City Harbor
SOUNDINGS IN FEET - SCALE 1:12,500

11547

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